

Low Costs of Mining and Milling.

Outside of a new property in Alaska the Wasp mine, in Dakota, shows the greatest economy in mining and milling of any of the mines of the United States. In an article by Leroy A. Palmer, Mineral Examiner of the General Land office, Helena, Mont., is given a review of the manner of mining the big quartzite vein in this property and showing the low costs of bullion production. Mining of 100,000 tons of ore last year gave average costs of .5348; Milling .0682; other expenses .0435, a total of 1.2465 per ton treated. The cyanide process is used in the recovery of the values. Crushing is done with gyratory breakers and fed into rolls that prepares the pulp for the leaching vats. The recovery is 76.31 per cent of the heading values. The mine is a steam shovel affair, which makes for low cost of mining. The horsepower used to handle this big tonnage is only 383, which would indicate many economies in the way of mining and milling, the showing being .766 horsepower to every ton of ore mined and milled. The average amount of cyanide consumption per ton of ore per month was .39 pounds, and lime 2.30 pounds.

Was it possible to mine and mill on this scale in Mohave county there would be hundreds of gold producing properties in and around the various districts. Great veins of low grade ore is to be found all over the county, the average being above three dollars per ton, many of which could be operated by steam shovel process and having the advantage of practically no overburden.

Geologic Folios Sold At 5 Cents A Copy.

The United States Geological Survey is having a great sale of its geologic folios which were reduced in price on account of the recent fire in the Survey building. About 200,000 folios were stored in the basement in which the fire occurred, and many of these were destroyed, but about 150,000 copies were only slightly damaged by smoke and water. On this account, however, the regular prices were reduced by the Government from 25 and 50 cents to 5 cents a copy.

The Survey has just issued a circular describing the folios individually—the location and size of areas they cover, the mineral resources described, their economic importance, etc. The opportunity is thus presented to procure information of great local value at a merely nominal cost. The topographic map alone which is included in each folio is sold separately at 10 cents a copy, and as a rule these and the other maps in folios are in almost perfect condition.

The circular describing the 150 folios available under this Government "fire sale" will be sent free of charge upon application to the Director of the Geological Survey, Washington, D. C.

Copper Situation Satisfactory

The Butte Weekly Mine, of June 14, has an extended interview with Senator W. A. Clark, of Montana, from which the following on the copper industry, it is in a very satisfactory condition. For the last several months there has been a steady increase in consumption of copper throughout the world that has been more than keeping pace with the production. Notwithstanding the Balkan difficulties, which for a time interrupted the industrial conditions in Europe, the consumption of copper has reached from 15,000,000 to 20,000,000 pounds monthly. The total visible supply for use today, outside of that in the refineries, is less than 16,000,000 pounds, just one month's supply. If you add to this the copper in transit to the refineries and in process of refining, say two months' supply the total is about a three months supply of copper available outside the mines. There has been a temporary decline in the price, but it is not serious. In my judgment we shall have a very satisfactory market for all the copper we produce for many months to come. It is better for all around that the price of copper be pushed not too high. Sixteen or seventeen cents a pound is a fair price for producer and consumer.

A Tombstone Arizona dispatch says:—County assessor Hughes reports that the mines assessment of Cochise county for 1913 will total \$1,255,000, and that the total assessed values of the county will be about \$9,000,000.

Much Pumice Used.

The pumice produced in the United States last year amounted to 27,146 short tons, valued at \$6,687, according to the United States Geological Survey. This was an increase of 5,457 tons in quantity and a decrease of 1,712 in value compared with 1911. In quantity the production is the largest on record, but the average price per ton and the total value were less than those of the preceding years.

Power for Electric Motors.

Internal combustion engines utilizing furnace gases are increasingly employed in Europe. A large mining and metallurgical works in the north of France has decided to use the gas from 100 recently built coke furnaces to obtain power for operating electric motors and lights about the works in the district.

Discovery of Tungsten.

The rare metal tungsten was discovered in 1781. It came into world-wide prominence a few years ago when the new metal filaments for electric incandescent lamps were made of the new metal, producing a better and a vastly cheaper light.

A Riverton Wyoming dispatch says:—A wonderful strike of free gold is reported from sixty miles south of here, beyond the Sweetwater river, and scores of prospectors have outfitted and started for the locality. E. R. Sartwell is the discoverer, and is said to have located quartz which gives colors indicating a value of 2.50 \$ to the ton.

A Wardner, Idaho, dispatch says:—The world's record rock drilling was broken yesterday by Siligo and St. Germain, who drilled forty-six and thirteen-sixteenths inches of granite in fifteen minutes and won the prize of 300\$. The previous record was forty-five and seven-sixteenths inches, made at Tonopah, Nev., July 16 last.

DON'T use a cough medicine containing opium or morphine. They constipate the bowels and do not cure, only stifle the cough. Examine the label and if the medicine contains these harmful opiates refuse it. Foley's Honey and Tar Compound contains no opiates, is healing and soothing. Frank Young, Mgr., Wickwire Hotel, Hooper, Nebr., says: "I recommend Foley's Honey and Tar Compound for coughs and colds and lost voice. I used it myself and for my children, and it is the only medicine that always does the work." H. H. Watkins, Druggist.

KINGMAN HOME BAKERY

AND CANDY KITCHEN

Fresh bread every day. Cakes, Pies and Cookies. Cakes and Pies baked to order. We are here to stay and ask the Patronage of the people. Will appreciate the trade. All outside orders promptly attended to.

Kuhen Bros.

Kingman - - - Arizona

Notice by Clerk of day Fixed for Hearing Return of Sale of Real Estate.

In the Superior Court of Mohave County, State of Arizona.
It is the Matter of the Estate of L. KIMBERLY, Deceased.

Pursuant to an Order of the Superior Court, made on the first day of July 1913, notice is hereby given that Jno. C. Potts, Administrator of the estate of said deceased, made to the said Court, and filed in the office of the Clerk thereof, on said day, a return of sale made by said Administrator on the thirtieth day of June 1913, under a previous order of said Court, of the following real estate, and for the following named sum, to-wit:

An undivided one-third interest in and to the "Copper King," Copper Giant, True Blue, Great Divide, Cornet and Copper Jack mining claims, situate in Maynard mining district, Mohave County, Arizona, for the sum of One Hundred Dollars, as will more fully appear from said return filed as aforesaid, and to which reference is hereby made for further particulars.

And Notice is hereby Further Given that Monday, the 21st day of July 1913, at ten o'clock A. M., at the court room of said Court, at the Court House in Kingman, County of Mohave, has been fixed for hearing the said return, when and where any person interested in the said estate may appear and file written objections to the confirmation of the said sale, and may be heard, and may produce witnesses in support of such objections.

Dated July 1st 1913.

L. M. TEALE,
Clerk.

First insertion July 5-12.

A Wickenburg dispatch says:—It is reported that the Congress mine which has been closed down for some time and some common report has listed as a "worked out" property, is preparing to resume operations within the next few months. The Congress is one of the old mines of this region and during its long period of activity produced many millions of dollars in gold bullion. It has been worked to a greater depth than any gold mine in Arizona, and has been an important factor in the development of this section.

The matter of the return of Mrs. lone Barry, administrator of the estate of John Barry, deceased, was before the court this week for adjudication. The sale of a carload of ore brought about two thousand dollars and this brought on some objection from the heirs. It is now probable that an amiable settlement of this estate will be brought about.

J. A. Greele and Mrs. Nannie McKee, of Hackberry, were united in marriage in the Hotel Beale parlors, last Thursday evening, Anson H. Smith officiating. Mr. Greele is a well known business man of Hackberry and Mrs. Greele is well known in that section for her many admirable qualities. She is a sister of T. P. Duncan, the big cattleman of Grass Springs.

Surprising Cure of Stomach Trouble.

When you have trouble with your stomach or chronic constipation, don't imagine that your case is beyond help just because your doctor fails to give you relief. Mrs. G. Stengle, Plainfield, N. J., writes, "For over a month past I have been troubled with my stomach. Everything I ate upset it terribly. One of Chamberlain's advertising booklets came to me. After reading a few of the letters from people who had been cured by Chamberlain's Tablets, I decided to try them. I have taken nearly three-fourths of a package of them and can now eat almost everything that I want." For sale by all dealers.

A FOUR ROOM FURNISHED HOUSE FOR SALE OR RENT—Inquire at the Locust Rooms. 12 Jly

Notice of Sheriff's Sale.

The B. F. Goodrich Company, of California, a corporation, plaintiff,

vs.
Kingman Auto and Transportation company, a corporation, Walter G. McCarty company, a corporation, Kingman Transportation company, a copartnership composed of John Doe and Richard Roe, whose true names are unknown, M. G. Wagner, W. G. McCarty and J. A. McCarty, defendants.

Under and by virtue of an execution and order of sale issued out of the Superior Court of the county of Mohave, in and for the State of Arizona, on the 7th day of July 1913, and to me as Sheriff duly directed and delivered, on a certain Judgment rendered in said court, in the above entitled action, on the 18th day of March, 1913, for the sum of 609.72\$ and 9.40\$ costs (which said sum has been paid) against Kingman Transportation company, a co-partnership, composed of Walter G. McCarty and M. G. Wagner, or or either of them; and against Kingman Auto and Transportation company, a corporation, for the sum of \$609.72 and \$9.40 costs, together with six per cent interest per annum on the principal sum from the 1st day of October, 1912, until paid; and that the attachment lies on all the personal property of said defendants, as the same existed on the 20th day of December, 1912, be foreclosed, I have this day levied in the manner prescribed by law on all the right, title, claim and interest of the above named defendants in, of and to the following described personal property, named in the attachment lien above referred to, to-wit:

One Garford auto truck (changed from touring car.)
One American lathe, with tools and appurtenances.
One large drill press, with drills, tools and appurtenances;
One speed drill press, with drills, tools and appurtenances;
Three bench vices;
One emery stand;
One B. S. blower;
One anvil, line shaft, pulleys, belting and connections and appurtenances;
One 5-h. p. Westinghouse motor;
One air pump, all tools, implements and appurtenances belonging to outfit;
Two E. M. F. Automobiles;
One 3,000 pound White auto truck;
One 1,600 pound White auto truck;
All materials, supplies and stock on hand in stock room.
Two roll top desks;
One heating stove.

Public notice is hereby given that I will, on

Monday the 4th day of August, 1913,

at the garage of the Kingman Auto company, in the town of Kingman, Mohave county, Arizona at the hour of 2:00 o'clock p. m. of said day, sell at public auction to the highest bidder for cash, lawful money of the United States, all the right, title and interest of the above entitled defendants in and to the above described property, or so much thereof as may be necessary to satisfy said judgment, costs of suit, interest and accruing costs and to foreclose said lien.

J. P. GIDEON,
Sheriff.

Dated Kingman, July 9, 1913.
First publication July 12-2 August.

THIS HOT WEATHER

Makes one feel like going away—are you? You will want to free yourself from as much care as possible. Our Travelers, Checks makes money easily obtainable anywhere, either at home or abroad. They are self-identifying and are cashable without extra charge. They are issued in convenient denominations of \$10, \$20, \$50 and \$100. If about to travel, let us explain them to you. Safe Deposit boxes for rent from \$2.50 the year and up. If you wish one for a shorter period, 25cts. and up the month. LET US PROVE OUR SERVICE

THE CITIZENS BANK

CAPITAL, \$50,000.00

KINGMAN,

ARIZONA

The Journal Miner says:—That a strike of rich gold ore has been made in the Harqua Halas range of mountains, within twenty miles of Wenden, was learned yesterday, and the leaving of P. B. Dreiser, of this city, for the point designated was significant of the truth of the report.

The locality was not specified, other it was some distance from the camp of the Yuma-Warrior holdings, and in the middle portion of that mountain range. Who the fortunate miners were, or the tonnage value of the strike reported, was not learned, in fact, the matter was being secretly guarded. Mr. Dreiser stated that he owns several locations in the belt that is attracting attention, and was requested to get on the ground as soon as possible.

The Copper Queen and the Calumet and Arizona companies are extending their holdings in and around Bisbee, Globe and Miami. Every property that shows the least indication of copper is being taken over under bond and drills will be used to ascertain their copper values. The companies are following the trend of the copper area north and it will be but a few years until this section of the country will be actively prospected for the red metal. Mohave county lies in the great copper belt that binds the northern copper fields to the big mines along the Mexican border, and throughout this whole region copper may be found in such quantity that would indicate greater things at depth.

J. H. KNIGHT,
President

W. K. RIDENOUR,
Vice-President

E. A. SHAW
Sec. and Treas.

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We have just landed a Car of Furniture and have no place to store it. Buy before we unpack and Save yourself money

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Did you ever swop or trade horses. Well you always get the best of it when the other fellow has to trade. So as we have to sell this car, it's a cinch you will get the best of it. COME IN AND BEAT US.

Arizona Stores Co.

Kingman and Oatman, Arizona